1. **(Amended)** A method for updating a first version of an intrusion detection program operating at a network site, comprising:

in response to an automated event, automatically downloading from a remote site any update for the intrusion detection program;

installing a downloaded update to generate a second version of the intrusion detection program; and

operating the second version of the intrusion detection program in place of the first version at the network site.

a1

2. The method of Claim 1, wherein the automated event is a timed event.

3. **(Amended)** A method for updating a first version of a program operating at a network site, comprising:

aging the first version of the program;

automatically downloading from a remote site any update for the program in response to the first version reaching a specified age;

installing a downloaded update to generate a second version of the program; and

operating the second version of the program in place of the first version at the network site.

a2

4. The method of Claim 3, wherein the specified age is less than or equal to twenty-four hours.

5. The method of Claim 2, wherein the timed event occurs at least once a day.

6. **(Amended)** The method of Claim 1, the act of automatically downloading from the remote site any update for the intrusion detection program comprising:

automatically connecting to the remote site in response to the automated event;

automatically determining whether the remote site includes an update for the intrusion detection program; and

in response to the remote site including an update, automatically downloading the update from the remote site.

7. The method of Claim 1, further comprising downloading the update in an encrypted format and decrypting the downloaded update prior to installation.

8. The method of Claim 1, further comprising authenticating the downloaded update prior to installation.

9. **(Amended)** A method for updating a first version of a program operating at a network site, comprising:

in response to an automated event, automatically downloading from a remote site any update for the program;

installing a downloaded update to generate a second version of the program;

after installation of the downloaded update, determining whether the second version of the program is operating correctly;

in response to correct operation of the second version, operating the second version of the program in place of the first version at the network site; and

in response to incorrect operation of the second version, restoring the first version of the program for operation at the network site.

10. **(Amended)** A method for updating a first version of a program operating at a network site, comprising:

in response to an automated event, automatically downloading from a remote site any update for the program;

installing a downloaded update to generate a second version of the program; and

operating the second version of the program in place of the first version at the network site;

distributing the downloaded update to a disparate network site operating the first version of the program;

installing the downloaded update to generate the second version of the program at the disparate network site; and

operating the second version of the program in place of the first version at the disparate network site.

11. **(Amended)** A method for updating a first version of a program operating at a network site, comprising:

in response to an automated event, automatically downloading from a remote site any update for the program;

installing a downloaded update to generate a second version of the program;

after installation of the downloaded update, determining whether the second version of the program is operating correctly at the network site;

in response to incorrect operation of the second version, restoring the first version of the program for operation at the network site; and

in response to correct operation of the second version at the network site:

distributing the downloaded update to a disparate network site operating the first version of the program;

installing the downloaded update to generate the second version of the program at the disparate network site; and

operating the second version of the program in place of the first version at the disparate network site.

12. **(Amended)** A method for updating a first version of a program operating at a network site, comprising:

in response to an automated event, automatically downloading from a remote site any update for the program;

installing a downloaded update to generate a second version of the program; and

operating the second version of the program in place of the first version at the network site;

broadcasting over a network an update message;

receiving in response to the update message a request for the downloaded update from each of a plurality of disparate network sites operating the first version of the program;

distributing the downloaded update to the disparate network sites requesting the downloaded update;

installing the downloaded update to generate the second version of the program at each of the disparate network sites; and

operating the second version of the program in place of the first version at each of the disparate network sites.

13. The method of Claim 12, further comprising:

receiving a recovery event at one of the network sites;

automatically restoring the first version of the program at the network site at which the recovery event was received;

broadcasting a recovery message from the network site over the network; and

automatically restoring the first version of the program at each of the remaining network sites operating the second version of the program.

14. The method of Claim 1, wherein the program is a set of intrusion detection signatures for an intrusion detection sensor.

(Amended)

15. A method for updating a first version of a program operating at a network site, comprising:

in response to an automated event, automatically downloading from an Internet web page any update for the program;

installing a downloaded update to generate a second version of the program; and

operating the second version of the program in place of the first version at the network site.

16. A method for automatically updating an intrusion detection system having a plurality of distributed intrusion detection sensors each operating with a first set of intrusion detection signatures, comprising:

in response to a specified event, automatically downloading from a remote site any update for the intrusion detection signatures;

distributing a downloaded update to each sensor;

installing the downloaded update to generate a second set of intrusion detection signatures for each sensor; and

operating each sensor with the second set of intrusion detection signatures.

17. The method of Claim 16, wherein the specified event is a timed event.

18. The method of Claim 17, further comprising:

aging the first set of intrusion detection signatures; and

wherein the timed event is the first set of intrusion detection signatures reaching a specified age.

19. The method of Claim 18, wherein the specified age is less than or equal to twenty-four hours.

20. The method of Claim 17, wherein the timed event occurs at least once a day.

21. The method of Claim 16, the act of automatically downloading from the remote site any update for the program comprising:

automatically connecting to the remote site in response to the timed event;

automatically determining whether the remote site includes an update for the intrusion detection signatures; and

in response to the remote site including an update, automatically downloading the update from the remote site.

22. An intrusion detection system, comprising:

a private network including a plurality of sites connected to a public network, each site including an intrusion detection sensor operating with a first set of intrusion detection signatures; and

each of the intrusion detection sensors operable to automatically download from a remote site any update for the

intrusion detection signatures in response to a specified event, to install a downloaded update to generate a second set of intrusion detection signatures, to operate with the second set of intrusion detection signatures, and to distribute the downloaded update to the remaining intrusion detection sensors for installation.

23. The system of Claim 22, wherein the specified event is an automated event.

24. The system of Claim 23, wherein the automated event is a timed event.

25. **(New)** The method of Claim 14 wherein the intrusion detection signatures comprise patterns of network activity that indicate unauthorized access.

26. **(New)** The method of Claim 13 wherein the recovery event occurs in response to incorrect operation of the intrusion detection program.